

§ 93.307

14 CFR Ch. I (1–1–02 Edition)

west to Lat. 36°06'20" N., Long. 113°51'40" W.; southeast to Lat. 36°00'07" N., Long. 113°42'58" W.; southeast to Lat. 35°59'37" N., Long. 113°42'47" W.; to Lat. 35°59'20" N., Long. 113°43'00" W.; to Lat. 35°58'40" N., Long. 113°43'58" W.; southeast to Lat. 35°50'16" N., Long. 113°37'13" W.; thence along the park boundary to the point of origin.

EFFECTIVE DATE NOTE: By Doc. No. 28537, 61 FR 69330, Dec. 31, 1996, § 93.305 was added, effective May 1, 1997. By Amdt. 93–74, 62 FR 8864, Feb. 26, 1997, the effectiveness of § 93.305 was delayed until Jan. 31, 1998. By Amdt. 93–75, 62 FR 66250, Dec. 17, 1997, the effectiveness of § 93.305 was further delayed until Jan. 31, 1999. By Amdt. 93–76, 64 FR 5154, Feb. 3, 1999, the effectiveness of § 93.305 was further delayed until Jan. 31, 2000. By Amdt. 93–79, 65 FR 5397, Feb. 3, 2000, the effectiveness of § 93.305 was further delayed until Jan. 31, 2001. By Amdt. 93–80, 65 FR 17742, Apr. 4, 2000, § 93.305 was made effective Dec. 1, 2000, and amended by revising paragraphs (a), (c), and (d), and the last sentence of paragraph (b) and by adding a new sentence at the end of paragraph (b), effective Dec. 1, 2000. At 65 FR 69847, Nov. 20, 2000, the effectiveness of § 93.305 was delayed until Dec. 28, 2000. At 66 FR 1005, Jan. 4, 2001, the effectiveness of § 93.305 was delayed until Apr. 1, 2001. At 66 FR 16584, Mar. 26, 2001, the effective date was further delayed until Apr. 19, 2001, for § 93.305(c) and (d), and until Dec. 1, 2001, for § 93.305(a) and (b). At 66 FR 63296, Dec. 5, 2001, the effective date for § 93.305(a) and (b), and also for the amendments published on Apr. 4, 2001, was further delayed until Feb. 20, 2003. For the convenience of the user, the added and revised text follows:

§ 93.305 Flight-free zones and flight corridors.

* * * * *

(a) *Desert View Flight-free Zone.* That airspace extending from the surface up to but not including 14,500 feet MSL within an area bounded by a line beginning at Lat. 35°59'58" N., Long. 111°52'47" W.; thence east to Lat. 36°00'00" N., Long. 111°51'04" W.; thence north to 36°00'24" N., Long. 111°51'04" W.; thence east to 36°00'24" N., Long. 111°45'44" W.; thence north along the GCNP boundary to Lat. 36°14'05" N., Long. 111°48'34" W.; thence southwest to Lat. 36°12'06" N., Long. 111°51'14" W.; to the point of origin; but not including the airspace at and above 10,500 feet MSL within 1 nautical mile of the western boundary of the zone. The corridor to the west between the Desert View and Bright Angel Flight-free Zones, is designated the "Zuni Point Corridor." This corridor is 2 nautical miles wide for commercial air tour flights and 4 nau-

tical miles wide for transient and general aviation operations.

(b) * * * This corridor is 2 nautical miles wide for commercial air tour flights and 4 nautical miles wide for transient and general aviation operations. The Bright Angel Flight-free Zone does not include the following airspace designated as the Bright Angel Corridor: That airspace one-half nautical mile on either side of a line extending from Lat. 36°14'57" N., Long. 112°08'45" W. and Lat. 36°15'01" N., Long. 111°55'39" W.

(c) *Toroweap/Shinumo Flight-free Zone.* That airspace extending from the surface up to but not including 14,500 feet MSL within an area bounded by a line beginning at Lat. 36°05'44" N., Long. 112°19'27" W.; north-northeast to Lat. 36°10'49" N., Long. 112°13'19" W.; to Lat. 36°21'02" N., Long. 112°08'47" W.; thence west and south along the GCNP boundary to Lat. 36°10'58" N., Long. 113°08'35" W.; south to Lat. 36°10'12" N., Long. 113°08'34" W.; thence in an easterly direction along the park boundary to the point of origin; but not including the following airspace designated as the "Tuckup Corridor": at or above 10,500 feet MSL within 2 nautical miles either side of a line extending between Lat. 36°24'42" N., Long. 112°48'47" W. and Lat. 36°14'17" N., Long. 112°48'31" W. The airspace designated as the "Fossil Canyon Corridor" is also excluded from the Toroweap/Shinumo Flight-free Zone at or above 10,500 feet MSL within 2 nautical miles either side of a line extending between Lat. 36°16'26" N., Long. 112°34'35" W. and Lat. 36°22'51" N., Long. 112°18'18" W. The Fossil Canyon Corridor is to be used for transient and general aviation operations only.

(d) *Sanup Flight-free Zone.* That airspace extending from the surface up to but not including 8,000 feet MSL within an area bounded by a line beginning at Lat. 35°59'32" N., Long. 113°20'28" W.; west to Lat. 36°00'55" N., Long. 113°42'09" W.; southeast to Lat. 35°59'57" N., Long. 113°41'09" W.; to Lat. 35°59'09" N., Long. 113°40'53" W.; to Lat. 35°58'45" N., Long. 113°40'15" W.; to Lat. 35°57'52" N., Long. 113°39'34" W.; to Lat. 35°56'44" N., Long. 113°39'07" W.; to Lat. 35°56'04" N., Long. 113°39'20" W.; to Lat. 35°55'02" N., Long. 113°40'43" W.; to Lat. 35°54'47" N., Long. 113°40'51" W.; southeast to Lat. 35°50'16" N., Long. 113°37'13" W.; thence along the park boundary to the point of origin.

* * * * *

§ 93.307 Minimum flight altitudes.

Except in an emergency, or if otherwise necessary for safety of flight, or unless otherwise authorized by the Flight Standards District Office for a purpose listed in 93.309, no person may operate an aircraft in the Special

Federal Aviation Administration, DOT

§ 93.309

Flight Rules Area at an altitude lower than the following:

(a) *Minimum sector altitudes*—(1) *Commercial sightseeing flights*—(i) *Marble Canyon Sector*. Lees Ferry to Boundary Ridge: 6,000 feet MSL.

(ii) *Supai Sector*. Boundary Ridge to Supai Point: 7,500 feet MSL.

(iii) *Diamond Creek Sector*. Supai Point to Diamond Creek: 6,500 feet MSL.

(iv) *Pearce Ferry Sector*. Diamond Creek to the Grand Wash Cliffs: 5,000 feet MSL.

(2) *Transient and general aviation operations*—(i) *Marble Canyon Sector*. Lees Ferry to Boundary Ridge: 8,000 feet MSL.

(ii) *Supai Sector*. Boundary Ridge to Supai Point: 10,000 feet MSL.

(iii) *Diamond Creek Sector*. Supai Point to Diamond Creek: 9,000 feet MSL.

(iv) *Pearce Ferry Sector*. Diamond Creek to the Grand Wash Cliffs: 8,000 feet MSL.

(b) *Minimum corridor altitudes*—(1) *Commercial sightseeing flights*—(i) *Zuni Point Corridors*. 7,500 feet MSL.

(ii) *Dragon Corridor*. 7,500 feet MSL.

(2) *Transient and general aviation operations*—(i) *Zuni Point Corridor*. 10,500 feet MSL.

(ii) *Dragon Corridor*. 10,500 feet MSL.

(iii) *Tuckup Corridor*. 10,500 feet MSL.

EFFECTIVE DATE NOTE: By Doc. No. 28537, 61 FR 69330, Dec. 31, 1996, § 93.307 was added, effective May 1, 1997. By Amdt. 93-74, 62 FR 8864, Feb. 26, 1997, the effectiveness of § 93.307 was delayed until Jan. 31, 1998. By Amdt. 93-75, 62 FR 66250, Dec. 17, 1997, the effectiveness of § 93.307 was further delayed until Jan. 31, 1999. By Amdt. 93-76, 64 FR 5154, Feb. 3, 1999, the effectiveness of § 93.307 was further delayed until Jan. 31, 2000. By Amdt. 93-79, 65 FR 5397, Feb. 3, 2000, the effectiveness of § 93.307 was further delayed until Jan. 31, 2001. By Amdt. 93-80, 65 FR 17742, 17743, Apr. 4, 2000, § 93.307 was made effective Dec. 1, 2000, and amended by revising the headings of paragraphs (a)(1) and (b)(1) and adding a new paragraph (b)(2)(iv), effective Dec. 1, 2000. At 65 FR 69847, Nov. 20, 2000, the effectiveness of § 93.307 was delayed until Dec. 28, 2000. At 66 FR 1005, Jan. 4, 2001, the effectiveness of § 93.307 was delayed until Apr. 1, 2001. At 66 FR 16584, Mar. 26, 2001, the effective date of § 93.307 was further delayed until Apr. 19, 2001. For the convenience of the user, the added and revised text follows:

§ 93.307 Minimum flight altitudes.

(a) * * *

(1) *Commercial air tours*—

* * * * *

(a) * * *

(1) *Commercial Air tours*—* * *

(2) * * *

(iv) Fossil Canyon Corridor. 10,500 feet MSL.

§ 93.309 General operating procedures.

Except in an emergency, no person may operate an aircraft in the Special Flight Rules Area unless the operation is conducted in accordance with the following procedures. (NOTE: The following procedures do not relieve the pilot from see-and-avoid responsibility or compliance with the minimum safe altitude requirements specified in § 91.119 of this chapter.):

(a) Unless necessary to maintain a safe distance from other aircraft or terrain remain clear of the flight-free zones described in § 93.305;

(b) Unless necessary to maintain a safe distance from other aircraft or terrain, proceed through the Zuni Point, Dragon, and Tuckup Flight Corridors described in § 93.305 at the following altitudes unless otherwise authorized in writing by the Flight Standards District Office:

(1) *Northbound*. 11,500 or 13,500 feet MSL.

(2) *Southbound*. 10,500 or 12,500 feet MSL.

(c) For operation in the flight-free zones described in § 93.305, or flight below the altitudes listed in § 93.307, is authorized in writing by the Flight Standards District Office and is conducted in compliance with the conditions contained in that authorization. Normally authorization will be granted for operation in the areas described in § 93.305 or below the altitudes listed in § 93.307 only for operations of aircraft necessary for law enforcement, fire-fighting, emergency medical treatment/evacuation of persons in the vicinity of the Park; for support of Park maintenance or activities; or for aerial access to and maintenance of other property located within the Special Flight Rules Area. Authorization may be issued on a continuing basis;